**Metals vs. Non-metals**

**Station 1: Sorting Activity**

1. List the properties that describe what a metal looks like.
2. List the properties that describe what a non-metal looks like.
3. Sort the pictures into 2 groups, metals and non-metals, based on what you know about their appearance and state at room temperature. Record how you sorted them below.

|  |  |
| --- | --- |
| Metals | Non-metals |
|  |  |

1. Were there any you were unsure of? What other properties you could look at or test to determine if it was a non-metal?

**Station #2: Electrical Conductivity**

1. Are metals or non-metals better conductors of electricity?
2. Examine the set-up of the circuit. What do you notice about the materials used?
3. Fill in the chart below by first predicting whether the materials being tested will conduct electricity (on back), then test and record if they were conductive or not.

|  |  |  |
| --- | --- | --- |
| **Material** | **Prediction** | **Conductive?** |
| Plastic straw |  |  |
| Magnesium |  |  |
| Wood |  |  |
| Calcium |  |  |
| Graphite |  |  |
| Copper |  |  |
| Sponge |  |  |
| Aluminum |  |  |
| Zinc |  |  |
| Plastic spoon |  |  |
| Aluminum foil |  |  |
| Lead |  |  |

**Station 3: Lesson 15/16 and Wordsearch**

 Please complete Lesson 15 and 16 that was handed out in class yesterday. It is due tomorrow. Once you have finished, work on the wordsearch.